



Manage local groups

ONTAP 9.11.1 REST API reference

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Manage local groups

Protocols CIFS local-groups endpoint overview

Overview

The CIFS server can use local groups for authorization when determining share, file and directory access rights. You can use this API to display local group information and to control local group configurations.

Retrieving local group information

The local group GET endpoint retrieves all of the local groups configurations for data SVMs.

Examples

Retrieving all of the fields for all of the local group configurations

The local group GET endpoint retrieves all of the local groups configurations for data SVMs.

```
# The API:
/api/protocols/cifs/local-groups

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/local-groups?fields=*"
-H "accept: application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
        "name": "vs1"
      },
      "sid": "S-1-5-32-544",
      "name": "BUILTIN\\Administrators",
      "description": "Built-in Administrators group",
      "members": [
        {
          "name": "CIFS_SERVER\\Administrator"
        },
        {
          "name": "AD_DOMAIN\\Domain Admins"
        }
      ]
    }
  ],
}
```

```

{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1"
  },
  "sid": "S-1-5-32-545",
  "name": "BUILTIN\\Users",
  "description": "All users",
  "members": [
    {
      "name": "AD_DOMAIN\\Domain Users"
    }
  ]
},
{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1"
  },
  "sid": "S-1-5-32-546",
  "name": "BUILTIN\\Guests",
  "description": "Built-in Guests Group",
  "members": [
    {
      "name": "SACHILDAP02\\Domain Guests"
    }
  ]
},
{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1"
  },
  "sid": "S-1-5-32-547",
  "name": "BUILTIN\\Power Users",
  "description": "Restricted administrative privileges"
},
{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1"
  },
  "sid": "S-1-5-32-551",
  "name": "BUILTIN\\Backup Operators",
  "description": "Backup Operators group"
},

```

```

{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1"
  },
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "name": "CIFS_SERVER\\group2",
  "description": "local group2"
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
    "name": "vs2"
  },
  "sid": "S-1-5-32-544",
  "name": "BUILTIN\\Administrators",
  "description": "Built-in Administrators group",
  "members": [
    {
      "name": "VS2.CIFS\\Administrator"
    },
    {
      "name": "VS2.CIFS\\user3"
    },
    {
      "name": "SACHILDAP02\\Domain Admins"
    }
  ]
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
    "name": "vs2"
  },
  "sid": "S-1-5-32-545",
  "name": "BUILTIN\\Users",
  "description": "All users",
  "members": [
    {
      "name": "SACHILDAP02\\Domain Users"
    }
  ]
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",

```

```

    "name": "vs2"
  },
  "sid": "S-1-5-32-546",
  "name": "BUILTIN\\Guests",
  "description": "Built-in Guests Group",
  "members": [
    {
      "name": "SACHILDAP02\\Domain Guests"
    }
  ]
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
    "name": "vs2"
  },
  "sid": "S-1-5-32-547",
  "name": "BUILTIN\\Power Users",
  "description": "Restricted administrative privileges"
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
    "name": "vs2"
  },
  "sid": "S-1-5-32-551",
  "name": "BUILTIN\\Backup Operators",
  "description": "Backup Operators group"
},
{
  "svm": {
    "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
    "name": "vs2"
  },
  "sid": "S-1-5-21-1625922807-3304708894-3529444428-1001",
  "name": "CIFS_SERVER\\group1",
  "description": "local group1"
}
],
"num_records": 12
}

```

Retrieving a local group configuration of a specific SVM and group

```
# The API:
/api/protocols/cifs/local-groups/{svm.uuid}/{sid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/local-groups/25b363a6-2971-11eb-88e1-0050568eefd4/S-1-5-21-256008430-3394229847-3930036330-1001"
-H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
    "name": "vs1"
  },
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "name": "CIFS_SERVER\\group1",
  "description": "local group"
}
```

Creating a local group configuration

The local group POST endpoint creates a local group configuration for the specified SVM.

Example

```
# The API:
/api/protocols/cifs/local-groups

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/cifs/local-groups" -H
"accept: application/json" -H "Content-Type: application/json" -d '{
  "svm": {"uuid": "179d3c85-7053-11e8-b9b8-005056b41bd1"}, "name":
  "group1"}'
```

Updating a local group configuration

The local group PATCH endpoint updates the name and description of the specified local group and the specified SVM.

Example

Update the local group name from 'group1' to 'group2'

```
# The API:
/api/protocols/local-groups/{svm.uuid}/{sid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/local-groups/179d3c85-7053-11e8-b9b8-005056b41bd1/S-1-5-21-256008430-3394229847-3930036330-1257"
-H "accept: application/json" -H "Content-Type: application/json" -d '{
"name": "group2", "description": "local group"}
```

Deleting a local group configuration

The local group DELETE endpoint deletes the specified local group of the specified SVM.

Example

Delete the local group 'group1'

```
# The API:
/api/protocols/cifs/local-groups/{svm.uuid}/{sid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/cifs/local-groups/179d3c85-7053-11e8-b9b8-005056b41bd1/S-1-5-21-256008430-3394229847-3930036330-1001" -H "accept: application/json"
```

Retrieve local groups for all SVMs

GET /protocols/cifs/local-groups

Introduced In: 9.9

Retrieves the local groups for all of the SVMs.

Advanced properties

- members

Related ONTAP commands

- vserver cifs users-and-groups local-group show
- vserver cifs users-and-groups local-group show-members

Learn more

- [DOC /protocols/cifs/local-groups](#)

Parameters

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|--|
| svm.uuid | string | query | False | Filter by svm.uuid |
| svm.name | string | query | False | Filter by svm.name |
| description | string | query | False | Filter by description <ul style="list-style-type: none">• maxLength: 256 |
| members.name | string | query | False | Filter by members.name |
| name | string | query | False | Filter by name <ul style="list-style-type: none">• minLength: 1 |
| sid | string | query | False | Filter by sid <ul style="list-style-type: none">• Introduced in: 9.10 |
| fields | array[string] | query | False | Specify the fields to return. |
| max_records | integer | query | False | Limit the number of records returned. |
| return_records | boolean | query | False | The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none">• Default value: 1 |

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|--|
| return_timeout | integer | query | False | <p>The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.</p> <ul style="list-style-type: none"> • Default value: 1 • Max value: 120 • Min value: 0 |
| order_by | array[string] | query | False | Order results by specified fields and optional [asc |

Response

Status: 200, Ok

| Name | Type | Description |
|-------------|---|--------------------------------|
| _links | _links | |
| num_records | integer | Number of local group records. |
| records | array[local_cifs_group] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "description": "This is a local group",
    "members": {
    },
    "name": "SMB_SERVER01\\group",
    "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

Error

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| next | href | |
| self | href | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

members

| Name | Type | Description |
|------|--------|--|
| name | string | Local user, Active Directory user, or Active Directory group which is a member of the specified local group. |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| name | string | The name of the SVM. |
| uuid | string | The unique identifier of the SVM. |

local_cifs_group

| Name | Type | Description |
|-------------|----------------------------------|----------------------------------|
| _links | _links | |
| description | string | Description for the local group. |
| members | array[members] | |

| Name | Type | Description |
|------|---------------------|--|
| name | string | Local group name. The maximum supported length of a group name is 256 characters. |
| sid | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| svm | svm | |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

Create a local group configuration for an SVM

POST /protocols/cifs/local-groups

Introduced In: 9.9

Creates the local group configuration for the specified SVM.

Important notes

- The group name can contain up to 256 characters.
- The group name cannot be terminated by a period.

- The group name does not support any of the following characters: " / ? [] , : \ | < > + = ; ? * @ or ASCII characters in the range 1-31.

Required properties

- `svm.uuid` or `svm.name` - Existing SVM in which to create the local group.
- `name` - Name of the local group.

Related ONTAP commands

- `vserver cifs users-and-groups local-group create`

Learn more

- [DOC /protocols/cifs/local-groups](#)

Parameters

| Name | Type | In | Required | Description |
|-----------------------------|---------|-------|----------|---|
| <code>return_records</code> | boolean | query | False | The default is false. If set to true, the records are returned. • Default value: |

Request Body

| Name | Type | Description |
|--------------------------|----------------------------------|--|
| <code>_links</code> | _links | |
| <code>description</code> | string | Description for the local group. |
| <code>members</code> | array[members] | |
| <code>name</code> | string | Local group name. The maximum supported length of a group name is 256 characters. |
| <code>sid</code> | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| <code>svm</code> | svm | |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "description": "This is a local group",
  "members": {
  },
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 201, Created

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 262278 | Name is a required field. |
| 655399 | CIFS server must exist to create a local group. |
| 655660 | The operation is allowed only on data SVMs. |
| 655661 | The group name and description should not exceed 256 characters. |

| Error Code | Description |
|------------|--|
| 655668 | The specified group name contains illegal characters. |
| 655675 | The local domain name specified in the group name does not exist. |
| 655677 | This operation does not allow for the creation of a group in the BUILTIN domain. |
| 655682 | The group name cannot be blank. |
| 655717 | The specified group name already exists. |
| 2621706 | The specified SVM UUID is incorrect for the specified SVM name. |

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

members

| Name | Type | Description |
|------|--------|--|
| name | string | Local user, Active Directory user, or Active Directory group which is a member of the specified local group. |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| name | string | The name of the SVM. |
| uuid | string | The unique identifier of the SVM. |

local_cifs_group

| Name | Type | Description |
|-------------|----------------------------------|---|
| _links | _links | |
| description | string | Description for the local group. |
| members | array[members] | |
| name | string | Local group name. The maximum supported length of a group name is 256 characters. |

| Name | Type | Description |
|------|---------------------|--|
| sid | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| svm | svm | |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

Delete a local group configuration for an SVM

```
DELETE /protocols/cifs/local-groups/{svm.uuid}/{sid}
```

Introduced In: 9.10

Deletes a local group configuration for the specified SVM.

Related ONTAP commands

- `vserver cifs users-and-groups local-group delete`

Learn more

- [DOC /protocols/cifs/local-groups](#)

Parameters

| Name | Type | In | Required | Description |
|----------|--------|------|----------|---|
| sid | string | path | True | Local group SID |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

Response

Status: 200, Ok

Error

Status: Default, Error

| Name | Type | Description |
|-------|-----------------------|-------------|
| error | error | |

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

Retrieve local group information for a group and SVM

GET /protocols/cifs/local-groups/{svm.uuid}/{sid}

Introduced In: 9.10

Retrieves local group information for the specified group and SVM.

Advanced properties

- members

Related ONTAP commands

- `vserver cifs users-and-groups local-group show`
- `vserver cifs users-and-groups local-group show-members`

Learn more

- [DOC /protocols/cifs/local-groups](#)

Parameters

| Name | Type | In | Required | Description |
|----------|---------------|-------|----------|---|
| sid | string | path | True | Local group SID |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |
| fields | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|-------------|----------------------------------|--|
| _links | _links | |
| description | string | Description for the local group. |
| members | array[members] | |
| name | string | Local group name. The maximum supported length of a group name is 256 characters. |
| sid | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| svm | svm | |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "description": "This is a local group",
  "members": {
  },
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Error

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

members

| Name | Type | Description |
|------|--------|--|
| name | string | Local user, Active Directory user, or Active Directory group which is a member of the specified local group. |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| name | string | The name of the SVM. |
| uuid | string | The unique identifier of the SVM. |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|-------------------|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |

| Name | Type | Description |
|---------|--------|---|
| message | string | Error message |
| target | string | The target parameter that caused the error. |

Update local group information for a group in an SVM

PATCH /protocols/cifs/local-groups/{svm.uuid}/{sid}

Introduced In: 9.10

Updates the local group information of the specified group in the specified SVM. This API can also be used to rename a local group.

Related ONTAP commands

- `vserver cifs users-and-groups local-group modify`
- `vserver cifs users-and-groups local-group rename`

Learn more

- [DOC /protocols/cifs/local-groups](#)

Parameters

| Name | Type | In | Required | Description |
|----------|--------|------|----------|---|
| sid | string | path | True | Local group SID |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

Request Body

| Name | Type | Description |
|-------------|----------------------------------|---|
| _links | _links | |
| description | string | Description for the local group. |
| members | array[members] | |
| name | string | Local group name. The maximum supported length of a group name is 256 characters. |

| Name | Type | Description |
|------|---------------------|--|
| sid | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| svm | svm | |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "description": "This is a local group",
  "members": {
  },
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 655661 | The group name and description should not exceed 256 characters. |
| 655668 | The specified group name contains illegal characters. |
| 655675 | The local domain name specified in the group name does not exist. |
| 655682 | The group name cannot be blank. |
| 655712 | To rename an existing group, the local domain specified in name must match the local domain of the group to be renamed. |
| 655713 | Failed to rename a group. The error code returned details the failure along with the reason for the failure. Take corrective actions as per the specified reason. |

| Name | Type | Description |
|-------|-----------------------|-------------|
| error | error | |

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

members

| Name | Type | Description |
|------|--------|--|
| name | string | Local user, Active Directory user, or Active Directory group which is a member of the specified local group. |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| name | string | The name of the SVM. |
| uuid | string | The unique identifier of the SVM. |

local_cifs_group

| Name | Type | Description |
|-------------|----------------------------------|---|
| _links | _links | |
| description | string | Description for the local group. |
| members | array[members] | |
| name | string | Local group name. The maximum supported length of a group name is 256 characters. |

| Name | Type | Description |
|------|---------------------|--|
| sid | string | The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method. |
| svm | svm | |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

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